

Converting Colors

$Y_{xy}(25.1743, 0.3413, 0.2420)$

Have a look what the booklet for
Yxy(25.1743, 0.3413, 0.2420)
contains.

Yxy(25.2126, 0.3405, 0.2418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.2126, 0.3405, 0.2418)

Conversions

Conversions Part 1

Format	Color
Hex	C36BAF
RGB	195, 107, 175
RGB Percent	76%, 42%, 69%
CMY	0.2352, 0.5804, 0.3137
CMYK	0.00, 0.45, 0.10, 0.24
HSL	314°, 42%, 59%
HSV	314°, 45%, 76%
XYZ	35.5041, 25.2126, 43.5538
YIQ	141.0640, 30.6200, 39.8040

Conversions

Conversions Part 2

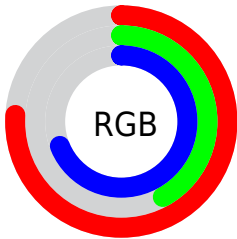
Format	Color
R_{YB}	195, 107, 175
Decimal	12807087
CIE _{Lab}	57.28, 44.22, -21.01
CIE _{LCh}	57, 48.963, 334.585
Yxy	25.2126, 0.3405, 0.2418
Android (android.graphics.Color)	4290997167 (0xFFC36BAF)
YUV	141.0640, 16.7304, 47.3019
Hunter-Lab	50.2121, 38.3428, -16.2794

Details

The Yxy color **25.2126, 0.3405, 0.2418** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **43.6950, 0.2939, 0.4366**, and the grayscale version is **26.5869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1419, 0.3352, 0.2582**, and **9.6265, 0.3481, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **21.4246, 0.3488, 0.2246**, and if you desaturate by 10%, it is **29.9256, 0.3329, 0.2607**.

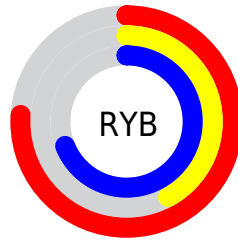
Distribution



Red (76%)

Green (42%)

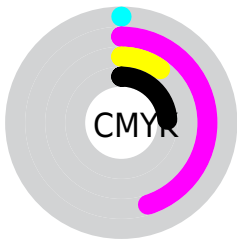
Blue (69%)



Red (76%)

Yellow (42%)

Blue (69%)

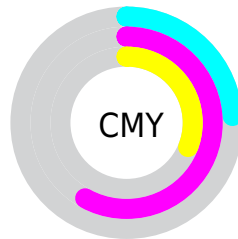


Cyan (0%)

Magenta (45%)

Yellow (10%)

Black (24%)



Cyan (24%)


Magenta (58%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2126, 0.3405, 0.2418 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 25.2126, 0.3405, 0.2418 by changing the saturation by 10% instead.


 25.2126, 0.3405,
0.2418


 25.2126, 0.3405,
0.2418


278.8951, 0.3267,
0.2863


 16.2355, 0.3438,
0.2305


 52.0019, 0.3356,
0.2582

 9.6910, 0.3480,
0.2159


 70.5829, 0.3337,
0.2642

 5.1945, 0.3534,
0.1964


 93.1341, 0.3321,
0.2694

 2.3619, 0.3604,
0.1694

 120.0397, 0.3307,
0.2738

 0.8062, 0.3696,
0.1297

151.6842, 0.3295,
0.2775

 0.0000, 0.4078,
0.0000

188.4520, 0.3285,

 0.0000, 0.0000,

0.2809

0.0000

230.7275, 0.3276,
0.2838

■ 25.2126, 0.3405,
0.2418

■ 25.2126, 0.3405,
0.2418

■ 21.4246, 0.3488,
0.2246

■ 29.9256, 0.3329,
0.2607

■ 18.4955, 0.3576,
0.2101

■ 35.6166, 0.3262,
0.2804

■ 16.3564, 0.3666,
0.1993

■ 42.3390, 0.3202,
0.3002

■ 14.9258, 0.3757,
0.1930

■ 50.1412, 0.3151,
0.3194

■ 14.1045, 0.3844,
0.1913

■ 59.0684, 0.3107,
0.3378

■ 13.8280, 0.3886,
0.1915

■ 69.1634, 0.3069,
0.3551

■ 80.4666, 0.3038,
0.3712

■ 87.8009, 0.3012,
0.3780

■ 88.0257, 0.2988,
0.3729

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.2126, 0.2592, 0.2117



25.2126, 0.3405, 0.2418



25.2126, 0.4235, 0.2896

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.2126, 0.3405, 0.2418



25.2126, 0.4225, 0.4614



25.2126, 0.1749, 0.2772

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.2126, 0.3405, 0.2418



43.6950, 0.2939, 0.4366

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.2126, 0.2076, 0.3613



25.2126, 0.3405, 0.2418



25.2126, 0.3492, 0.4843

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.2126, 0.3405, 0.2418



25.2126, 0.4702, 0.4078



25.2126, 0.2704, 0.4473



25.2126, 0.1737, 0.2246

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.2126, 0.3405, 0.2418



25.2126, 0.4622, 0.3274



25.2126, 0.2704, 0.4473



25.2126, 0.1822, 0.3023

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.2138, 0.3405, 0.2418



77.0173, 0.3197, 0.3020



18.8959, 0.2454, 0.1955



16.2419, 0.3209, 0.2977



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2138, 0.3405, 0.2418



38.5444, 0.3485, 0.2251



23.7827, 0.3970, 0.2957



10.2071, 0.3172, 0.3114



8.9991, 0.3875, 0.1908



0.3987, 0.3698, 0.1811

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.2138, 0.3405, 0.2418



38.5444, 0.3485, 0.2251



45.0676, 0.2671, 0.3666



10.2071, 0.3172, 0.3114



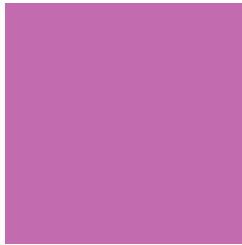
8.9991, 0.3875, 0.1908



0.3987, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 25.2126, 0.3405, 0.2418 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.2126, 0.3405, 0.2418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

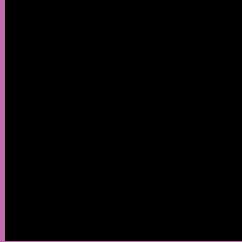
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2126, 0.3405, 0.2418

Background



This preview shows how black text looks on a background with the Yxy color 25.2126, 0.3405, 0.2418.



This preview shows how white text looks on a background with the Yxy color 25.2126, 0.3405, 0.2418.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.2126, 0.3405, 0.2418

Protanopia

25.5615, 0.2443, 0.2358

Deuteranopia

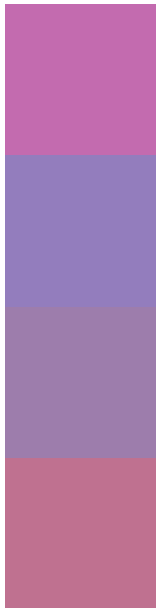
25.3811, 0.2790, 0.2733



Tritanopia

25.0478, 0.3934, 0.3167

Trichromacy



Original Color

25.2126, 0.3405, 0.2418

Protanomaly

24.5444, 0.2733, 0.2349

Deuteranomaly

24.8139, 0.2994, 0.2590

Tritanomaly

24.9002, 0.3735, 0.2868

Monochromacy



Original Color

25.2126, 0.3405, 0.2418

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.5775, 0.3236, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2126, 0.3405, 0.2418 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 107, 175)` looks like.

```
.text, #text, p{  
    color:rgb(195, 107, 175)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 107, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 107, 175) }
```

Border

The CSS property to change the border of an element to Yxy 25.2126, 0.3405, 0.2418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 107, 175) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 107, 175) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 107, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 107, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 107, 175); box-shadow:4px 4px 4px 4px rgb(195, 107, 175) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2126, 0.3405, 0.2418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 107, 175) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195,  
107, 175) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor